

Supplementary Table S1. Effects of harvest time and *B. cinerea* treatment on the expression of putative defense genes in cannabis leaves. (A) Changes over time of genes expression in uninfected, systemic, and local leaves. Fold changes are scaled relatively to the uninfected leaves at 2 dpi (expression level of 1.0). Significant differences from 2 dpi are in bold for each type of leaves separately (Wald chi-square test with Benjamini-Hochberg correction, α =.05). *P* values are replaced by NS when post-hoc comparisons were not carried out since the time had no significant effect for the type of leaves considered (*LOX5* uninfected leaves *P*=.49, systemic leaves *P*=.08, local leaves *P*=.49; *PR1* uninfected leaves *P*=.72, systemic leaves *P*=.30, local leaves *P*=.72; *PR2* uninfected leaves *P*=.07, systemic leaves *P*=.85; *PR5* uninfected leaves *P*=.49; *NPR1* uninfected leaves *P*=.17). (B) Effect of *B. cinerea* treatment on genes expression at each harvest time. Fold changes are scaled relatively to the uninfected leaves are in bold for each time separately (Wald chi-square test with Benjamini-Hochberg correction, α =.05). Upregulation rises above 1.0 and downregulation falls below. Means of 36 independent biological replicates with 3 technical replicates.

A. Effect of harvest time on genes expression									
	Uninfected leaves			Systemic leaves			Local leaves		
Gene	2 dpi	4 dpi	7 dpi	2 dpi	4 dpi	7 dpi	2 dpi	4 dpi	7 dpi
LOX5	1.0	1.2	1.1	0.6	0.8	0.9	0.9	0.8	0.8
	P value	NS	NS	<i>P</i> value	NS	NS	<i>P</i> value	NS	NS
ERF1	1.0	4.9	6.6	0.9	2.6	5.0	17.1	45.9	59.6
	P value	<.001	<.001	<i>P</i> value	<.001	<.001	P value	<.001	<.001
HEL	1.0	1.8	2.3	0.6	1.0	1.9	11.2	37.1	96.0
	P value	.03	.002	P value	.03	<.001	P value	<.001	<.001
PAL	1.0	1.7	4.2	1.5	1.3	4.2	25.3	47.1	125.6
	P value	.17	<.001	P value	.92	.007	P value	.06	<.001
PR1	1.0	1.6	1.9	1.4	1.1	4.5	_ 373.4	638.3	536.3
	P value	NS	NS	P value	NS	NS	P value	NS	NS
PR2	1.0	1.0	0.5	0.7	0.6	0.7	4.6	15.4	6.2
	P value	NS	NS	P value	NS	NS	P value	.001	.98
PR5	1.0	1.1	0.9	0.7	0.9	0.5	0.8	0.6	0.1
	P value	NS	NS	P value	.12	.07	P value	.19	<.001
NPR1	1.0	1.0	8.0	0.6	0.8	0.5	0.9	0.9	0.5
D Eff	P value	NS 4	NS	P value	.01	.02	P value	.79	<.001
D. Elle	Ct of <i>B. ciriere</i>		on genes	expression	4 dni			7 dni	
		2 dpi	- T		4 dpi	Local	Uninfootod	7 dpi	Local
Gene	Uninfected	2 dpi Systemic	Local	Uninfected	Systemic	Local	Uninfected	Systemic	Local
	Uninfected 1.0	2 dpi Systemic 0.6	Local 0.9	Uninfected 1.0	Systemic 0.7	0.7	1.0	Systemic 0.8	0.7
Gene	Uninfected 1.0 P value	2 dpi Systemic 0.6 .001	Local 0.9 .36	Uninfected 1.0 P value	Systemic 0.7 .001	0.7 .001	1.0 <i>P</i> value	0.8 .28	0.7 .02
Gene	Uninfected 1.0 P value 1.0	2 dpi Systemic 0.6 .001 0.9	0.9 .36	Uninfected 1.0 P value 1.0	0.7 .001 0.5	0.7 .001 9.3	1.0 <i>P</i> value 1.0	0.8 .28 0.7	0.7 .02 9.0
Gene	Uninfected 1.0 P value 1.0 P value	2 dpi Systemic 0.6 .001 0.9 .80	0.9 .36 17.1 <.001	Uninfected 1.0 P value 1.0 P value	0.7 .001 0.5 .02	0.7 .001 9.3 <.001	1.0 <i>P</i> value 1.0 <i>P</i> value	0.8 .28 0.7 .30	0.7 .02 9.0 <.001
Gene	Uninfected 1.0 P value 1.0 P value 1.0 1.0 P value 1.0	2 dpi Systemic 0.6 .001 0.9 .80 0.6	0.9 .36 17.1 <.001	Uninfected 1.0 P value 1.0 P value 1.0 1.0	0.7 .001 0.5 .02	0.7 .001 9.3 <.001 20.5	1.0 <i>P</i> value 1.0 <i>P</i> value 1.0	0.8 .28 0.7 .30 0.8	0.7 .02 9.0 <.001 41.1
Gene LOX5 ERF1 HEL	Uninfected 1.0 P value 1.0 P value 1.0 P value 1.0 P value	2 dpi Systemic 0.6 .001 0.9 .80 0.6 .04	0.9 .36 17.1 <.001 11.2 <.001	Uninfected 1.0 P value 1.0 P value 1.0 P value 1.0 P value	0.7 .001 0.5 .02 0.6 .04	0.7 .001 9.3 <.001 20.5 <.001	1.0 <i>P</i> value 1.0 <i>P</i> value 1.0 <i>P</i> value	0.8 .28 0.7 .30 0.8 .40	0.7 .02 9.0 <.001 41.1 <.001
Gene LOX5 ERF1	Uninfected 1.0 P value 1.0 P value 1.0 P value 1.0 P value 1.0 1.0	2 dpi Systemic 0.6 .001 0.9 .80 0.6 .04 1.5	0.9 .36 17.1 <.001 11.2 <.001 25.3	Uninfected 1.0 P value 1.0 P value 1.0 P value 1.0 P value 1.0	9 Systemic 0.7 0.001 0.5 0.02 0.6 0.04 0.8	0.7 .001 9.3 <.001 20.5 <.001 28.1	1.0 P value 1.0 P value 1.0 P value 1.0	9.8 0.8 0.7 0.30 0.8 0.8 0.40 1.0	0.7 .02 9.0 <.001 41.1 <.001 30.2
Gene LOX5 ERF1 HEL PAL	Uninfected 1.0 P value	2 dpi Systemic 0.6 .001 0.9 .80 0.6 .04 1.5 .69	0.9 .36 17.1 <.001 11.2 <.001 25.3 <.001	Uninfected 1.0 P value	9.5 Systemic 0.7 0.001 0.5 0.02 0.6 0.04 0.8 0.6 0.9	0.7 .001 9.3 <.001 20.5 <.001 28.1 <.001	1.0 P value	9.8 0.8 0.7 0.30 0.8 0.8 0.40 0.69	0.7 .02 9.0 <.001 41.1 <.001 30.2 <.001
Gene LOX5 ERF1 HEL	Uninfected 1.0 P value 1.0 I value 1.0	2 dpi Systemic 0.6 .001 0.9 .80 0.6 .04 1.5 .69 1.4	0.9 .36 17.1 <.001 11.2 <.001 25.3 <.001 373.4	Uninfected 1.0 P value 1.0 I value 1.0	9.5 Systemic 0.7 0.001 0.5 0.02 0.6 0.04 0.8 0.69 0.7	0.7 .001 9.3 <.001 20.5 <.001 28.1 <.001 394.2	1.0 P value 1.0 1.0	0.8 .28 0.7 .30 0.8 .40 1.0 .69 2.4	0.7 .02 9.0 <.001 41.1 <.001 30.2 <.001 286.7
Gene LOX5 ERF1 HEL PAL	Uninfected 1.0 P value	2 dpi Systemic 0.6 .001 0.9 .80 0.6 .04 1.5 .69 1.4 .80	0.9 .36 17.1 <.001 11.2 <.001 25.3 <.001 373.4 <.001	Uninfected 1.0 P value	9 Systemic 0.7 .001 0.5 .02 0.6 .04 0.8 .69 0.7 .80	0.7 .001 9.3 <.001 20.5 <.001 28.1 <.001 394.2 <.001	1.0 P value 7.0 P value	0.8 0.7 0.8 0.8 0.7 0.8 0.8 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 .02 9.0 <.001 41.1 <.001 30.2 <.001 286.7 <.001
Gene LOX5 ERF1 HEL PAL	Uninfected 1.0 P value 1.0	2 dpi Systemic 0.6 .001 0.9 .80 0.6 .04 1.5 .69 1.4 .80 0.7	0.9 .36 17.1 <.001 11.2 <.001 25.3 <.001 373.4 <.001 4.6	Uninfected 1.0 P value 1.0 I value 1.0 P value 1.0	9.5 Systemic 0.7 .001 0.5 .02 0.6 .04 0.8 .69 0.7 .80 0.6	0.7 .001 9.3 <.001 20.5 <.001 28.1 <.001 394.2 <.001 15.5	1.0 P value 1.0	9.8 0.8 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.9 0.8 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	0.7 .02 9.0 <.001 41.1 <.001 30.2 <.001 286.7 <.001 12.0
Gene LOX5 ERF1 HEL PAL PR1	Uninfected 1.0 P value	2 dpi Systemic 0.6 .001 0.9 .80 0.6 .04 1.5 .69 1.4 .80 0.7 .25	0.9 .36 17.1 <.001 11.2 <.001 25.3 <.001 373.4 <.001 4.6 <.001	Uninfected 1.0 P value	9 Systemic 0.7 .001 0.5 .02 0.6 .04 0.8 .69 0.7 .80 0.6 .11	0.7 .001 9.3 <.001 20.5 <.001 28.1 <.001 394.2 <.001 15.5 <.001	1.0 P value	9.8 0.8 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 .02 9.0 <.001 41.1 <.001 30.2 <.001 286.7 <.001 12.0 <.001
Gene LOX5 ERF1 HEL PAL PR1	Uninfected 1.0 P value 1.0 I value 1.0 P value 1.0 I value 1.0	2 dpi Systemic 0.6 .001 0.9 .80 0.6 .04 1.5 .69 1.4 .80 0.7 .25 0.7	Local 0.9 .36 17.1 <.001 11.2 <.001 25.3 <.001 373.4 <.001 4.6 <.001 0.8	Uninfected 1.0 P value 1.0 I value 1.0	9 0.7 0.04 0.8 0.6 0.6 0.1 0.8 0.8	0.7 .001 9.3 <.001 20.5 <.001 28.1 <.001 394.2 <.001 15.5 <.001 0.6	1.0 P value 1.0	Systemic 0.8 .28 0.7 .30 0.8 .40 1.0 .69 2.4 .35 1.4 .70 0.6	0.7 .02 9.0 <.001 41.1 <.001 30.2 <.001 286.7 <.001 12.0 <.001
Gene LOX5 ERF1 HEL PAL PR1 PR2	Uninfected 1.0 P value	2 dpi Systemic 0.6 .001 0.9 .80 0.6 .04 1.5 .69 1.4 .80 0.7 .25 0.7 .01	Local 0.9 .36 17.1 <.001 11.2 <.001 25.3 <.001 373.4 <.001 4.6 <.001 0.8 .12	Uninfected 1.0 P value	Systemic 0.7 .001 0.5 .02 0.6 .04 0.8 .69 0.7 .80 0.6 .11 0.8 .14	0.7 .001 9.3 <.001 20.5 <.001 28.1 <.001 394.2 <.001 15.5 <.001	1.0 P value 1.0	0.8 2.8 0.7 3.0 0.8 40 1.0 6.9 2.4 3.5 1.4 7.70 0.6 <.001	0.7 .02 9.0 <.001 41.1 <.001 30.2 <.001 286.7 <.001 12.0 <.001 0.1
Gene LOX5 ERF1 HEL PAL PR1 PR2	Uninfected 1.0 P value 1.0 I value 1.0 P value 1.0 I value 1.0	2 dpi Systemic 0.6 .001 0.9 .80 0.6 .04 1.5 .69 1.4 .80 0.7 .25 0.7	Local 0.9 .36 17.1 <.001 11.2 <.001 25.3 <.001 373.4 <.001 4.6 <.001 0.8	Uninfected 1.0 P value 1.0 I value 1.0	9 0.7 0.04 0.8 0.6 0.6 0.1 0.8 0.8	0.7 .001 9.3 <.001 20.5 <.001 28.1 <.001 394.2 <.001 15.5 <.001 0.6	1.0 P value 1.0	Systemic 0.8 .28 0.7 .30 0.8 .40 1.0 .69 2.4 .35 1.4 .70 0.6	0.7 .02 9.0 <.001 41.1 <.001 30.2 <.001 286.7 <.001 12.0 <.001